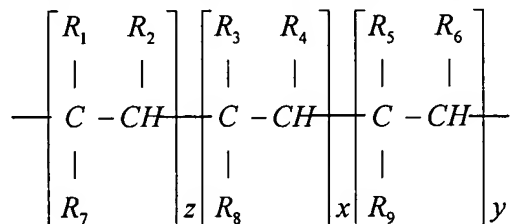


**AMENDMENTS TO THE SPECIFICATION**

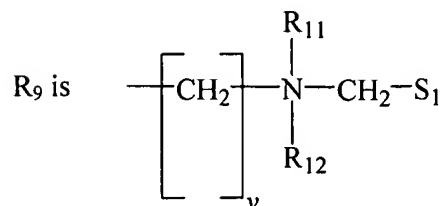
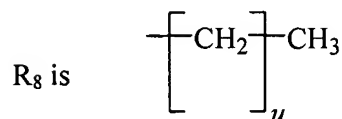
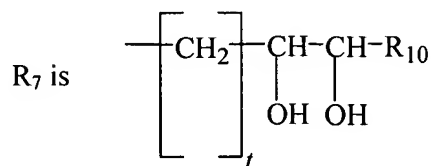
Please replace the following paragraphs.

On page 6, in the paragraph beginning on line 13:

Additional embodiments of the claimed subject matter include zwitterionic surfactant heads such that the polymers or oligomers have the following structures:



in which  $R_1, R_2, R_3, R_4, R_5, R_6 = H$  or  $CH_3$

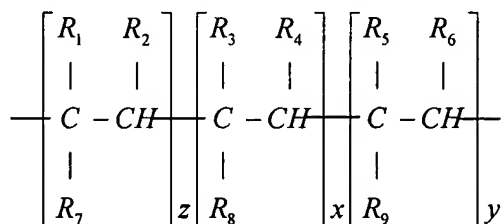


and in which  $R_{10}, R_{11}, R_{12} = H$  or  $CH_3$ , and  $t = 1$  to  $16$ ,  $u = 6$  to  $12$ ,  $v = 1$  to  $18$ ,  $w = 1$  to  $3$ , and  $x + y + z = 3$  to  $300,000$  and  $S_1 = CO_2^-$  or  $SO_3^-$ . In a preferred illustrative

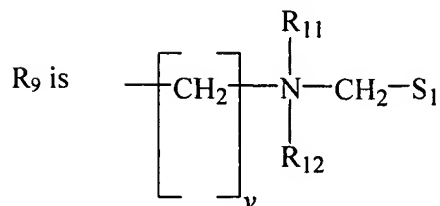
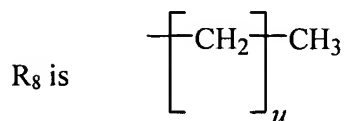
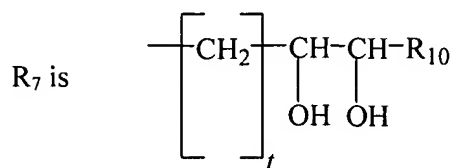
embodiment,  $t = 12$  to  $16$ ,  $\mu = 6$  to  $12$ ;  $v = 12$  to  $18$ ,  ~~$w = 1$  to  $3$~~ ,  $x = 0$  to  $10,000$ ,  $y = 2$  to  $300,000$  and  $z = 0$  to  $10,000$ .

On page 20, in the paragraph beginning on line 19:

Additional embodiments of the claimed subject matter include zwitterionic surfactant heads such that the polymers or oligomers have the following structures:



in which  $R_1, R_2, R_3, R_4, R_5, R_6 = H$  or  $CH_3$



and in which  $R_{10}, R_{11}, R_{12} = H$  or  $CH_3$ , and  $t = 1$  to  $16$ ,  $u = 6$  to  $12$ ,  $v = 1$  to  $18$ ,  ~~$w = 1$  to  $3$~~ , and  $x + y + z = 3$  to  $300,000$  and  $S_1 = CO_2^-$  or  $SO_3^-$ . In a preferred illustrative

embodiment,  $t = 12$  to  $16$ ,  $u = 6$  to  $12$ ;  $v = 12$  to  $18$ ,  ~~$w = 1$  to  $3$~~ ,  $x = 0$  to  $10,000$ ,  $y = 2$  to  $300,000$  and  $z = 0$  to  $10,000$ .

Please delete the following paragraphs.

The paragraph beginning on page 7, line 20 and ending on page 8, line 14.

The paragraph beginning on page 8, line 15 and ending on page 9, line 6.

The paragraph beginning on page 9, line 7 and ending on page 10, line 2.

The paragraph beginning on page 21, line 16 and ending on page 22, line 14.

The paragraph beginning on page 22, line 15 and ending on page 23, line 11.

The paragraph beginning on page 23, line 12 and ending on page 24, line 7.